

CLAIMS

What is claimed is:

1. A learning system applicable to a computer network for achieving an online language learning through integration of local learning and remote companion oral practice
5 among a plurality of users, comprising at least:

a curriculum database, for storing multimedia contents composed of text and pictures of at least a curriculum topic for users to refer during talking;

a local learning module, for getting correspondent curriculum contents from said database according to a curriculum topic selected by a local user;

10 a curriculum coding module, for coding characteristics of said curriculum contents;

a user-mating module, for establishing user connections and transferring said characteristic codes to a remote user site;

a curriculum decoding module, for receiving and decoding said characteristic codes to generate correspondent curriculum pages;

15 a page synchronization module, for returning and updating said curriculum pages for said users; and

a remote communication module at each site for providing oral intercommunicating on said curriculum pages through audio/video communication of said users.

2. The learning system for achieving an online language learning through
20 integration of local learning and remote companion oral practice according to claim 1 further comprises a achievement-checking module, connecting with said remote communication module for comparing speech waveforms of said user's speech to waveforms of correspondent speech data in said database so as to provide an achievement result of learning.

3. The learning system for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 1 wherein said user-mating module further comprises a user management unit for maintaining a list of registered users and generating a user status list.

5 4. The learning system for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 3 wherein said user status comprises at least “busy”, “idle” and “offline”.

10 5. The learning system for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 3 wherein said user management unit further provides reservations that a user can send a reservation request for another user.

6. The learning system for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 1 wherein said users are classified as teachers and students.

15 7. The learning system for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 1 wherein said teachers are users who have been certified through a certification process.

20 8. A learning method applicable to computer network for achieving an online language learning through integration of local learning and remote companion oral practice among a plurality of users, comprising at least steps of:

user choosing a curriculum topic from a curriculum database for oral practice;

establishing a connection between a local user and a remote user according to user status;

25 encoding said curriculum content characteristics and transferring codes to said remote user site;

decoding said characteristic codes to generate correspondent curriculum pages;

returning and updating said curriculum pages to said local user; and

providing oral intercommunication via audio/video communication for said users to practice said curriculum contents.

- 5 9. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 8 further comprising steps of checking user's learning comprising at least steps of:

receiving audio signal of said user's speech;

comparing audio signals of said speech with correspondent data from said database;

10 and

generating a comparison result.

10. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 8 wherein said users are classified as teachers and students.

- 15 11. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 10 wherein said teachers are users who have been certified through a certification process.

12. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 8
20 wherein said user status comprises online status and reservation status.

13. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 12 wherein said online status of a user is one selected from a group of "busy", "idle" and "offline".

14. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 12 wherein said reservation status of a user is one selected from a group of “reserved” and “unreserved”.

5 15. The learning method for achieving an online language learning through integration of local learning and remote companion oral practice according to claim 8 wherein said step of establishing a connection between a local user and a remote user further comprises :

showing remote user status;

10 receiving a selection from said local user; and

establishing connection between said local and said remote user based on said selection.